

13 August, 2003

Bruce Lewis Environmental Resources Management 2525 Natomas Park Drive, Suite 350 Sacramento, CA 95833

RE: Aerojet RI/FS Work Order: P307437

Stay P. Hoch

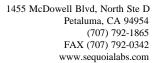
Enclosed are the results of analyses for samples received by the laboratory on 07/21/03 16:41. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Stacy P. Hoch For Mark Shipman

Project Manager

CA ELAP Certificate #2374



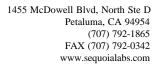


Environmental Resources Management 2525 Natomas Park Drive, Suite 350 Sacramento CA, 95833 Project Number: N/A
Project Manager: Bruce Lewis

P307437 **Reported:** 08/13/03 16:24

ANALYTICAL REPORT FOR SAMPLES

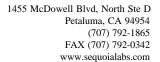
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FCS-SB01-2.5	P307437-01	Soil	07/21/03 09:59	07/21/03 16:41
FCS-SB01-5	P307437-02	Soil	07/21/03 10:05	07/21/03 16:41
FCS-SB01-10	P307437-03	Soil	07/21/03 10:15	07/21/03 16:41
FCS-SB01-15	P307437-04	Soil	07/21/03 10:20	07/21/03 16:41
FCS-SB01-20	P307437-05	Soil	07/21/03 10:27	07/21/03 16:41
10D-SB03-1	P307437-06	Soil	07/21/03 12:52	07/21/03 16:41
10D-SB03D-1	P307437-07	Soil	07/21/03 12:52	07/21/03 16:41
10D-SB03-2.5	P307437-08	Soil	07/21/03 12:58	07/21/03 16:41
10D-SB03-5	P307437-09	Soil	07/21/03 13:06	07/21/03 16:41
10D-SB03-10E	P307437-10	Water	07/21/03 13:11	07/21/03 16:41
10D-SB03-10	P307437-11	Soil	07/21/03 13:14	07/21/03 16:41





Tentatively Identified Compounds by GC/MS Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Analyte	Result	WIDL	Lillit	Units	Dilution	Daten	Frepareu	Allalyzeu	Wethou	Notes
FCS-SB01-2.5 (P307437-01) Soil	Sampled: 07/21/0	3 09:59	Received	d: 07/21/	/03 16:41					
No TICs found	ND		10	ug/kg	1	3070610	07/29/03	08/01/03	EPA 8270C	
FCS-SB01-5 (P307437-02) Soil	Sampled: 07/21/03	10:05	Received:	07/21/03	3 16:41					
Sulfur, mol. (S8)	100		10	ug/kg	1	3070610	07/29/03	08/01/03	EPA 8270C	
FCS-SB01-10 (P307437-03) Soil	Sampled: 07/21/03	3 10:15	Received	1: 07/21/	03 16:41					
No TICs found	ND		10	ug/kg	1	3070610	07/29/03	08/01/03	EPA 8270C	
FCS-SB01-15 (P307437-04) Soil	Sampled: 07/21/03	3 10:20	Received	: 07/21/	03 16:41					
No TICs found	ND		10	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
FCS-SB01-20 (P307437-05) Soil	Sampled: 07/21/03	3 10:27	Received	l: 07/21/	03 16:41					
No TICs found	ND		9	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
10D-SB03-1 (P307437-06) Soil S	Sampled: 07/21/03	12:52	Received:	07/21/03	3 16:41					
No TICs found	ND		10	ug/kg	1	3070610	07/29/03	08/01/03	EPA 8270C	
10D-SB03D-1 (P307437-07) Soil	Sampled: 07/21/0	3 12:52	Received	l: 07/21/	03 16:41					
No TICs found	ND		10	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
10D-SB03-2.5 (P307437-08) Soil	Sampled: 07/21/0	3 12:58	Received	l: 07/21/	03 16:41					
Tebuthiuron	200		10	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
Unknown alkane 1	200		10	"	"	"	"	"	"	
Unknown alkane 2	100		10	"	"	"	"	"	"	
Unknown alkane 3	100		10	"	"	"	"	"	"	
Unknown cycloalkane 1	100		10	"	"	"	"	"	"	
Unknown cycloalkane 2	200		10	"	"	"	"	"	"	





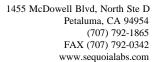
Environmental Resources Management 2525 Natomas Park Drive, Suite 350 Sacramento CA, 95833 Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

Reported: 08/13/03 16:24

P307437

Tentatively Identified Compounds by GC/MS Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10D-SB03-5 (P307437-09) Soil	Sampled: 07/21/	03 13:06	Received:	07/21/03	16:41					
No TICs found	ND		10	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
10D-SB03-10E (P307437-10) Wa	nter Sampled: 0	7/21/03 13	:11 Recei	ved: 07/2	21/03 16:41	-				
No TICs found	ND		10	ug/l	1	3070597	07/28/03	08/06/03	EPA 8270C	
10D-SB03-10 (P307437-11) Soil	Sampled: 07/21	/03 13:14	Received	: 07/21/0	3 16:41					
No TICs found	ND		10	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Acenaphthene ND Acenaphthylene ND Azobenzene ND Azobenzene ND Azobenzene ND Azobenzene ND	8.7 7.6 14 20 1700 2.7	330 330 330 330 330	d: 07/21/0 ug/kg "	1 "	3070610	07/29/03			
Acenaphthylene ND Anthracene ND Azobenzene ND	7.6 14 20 1700	330 330	"		3070610	07/29/03			
Anthracene ND Azobenzene ND	14 20 1700	330		"		01,27,03	08/01/03	EPA 8270C	
Azobenzene ND	20 1700		"		"	"	"	"	
	1700	330		"	"	"	"	"	
D '11'			"	"	"	"	"	"	
Benzidine ND	2.7	1700	"	"	"	"	"	"	
Benzoic acid ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total) ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene ND	10	330	"	"	"	"	"	"	
Benzyl alcohol ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate 64	9.3	330	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate ND	11	330	"	"	"	"	"	"	
4-Chloroaniline ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether ND	13	330	"	"	"	"	"	"	
Chrysene ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene ND	18	330	"	"	"	"	"	"	
Dibenzofuran ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol ND	15	330	"	"	"	"	"	"	
Diethyl phthalate ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene ND	20	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

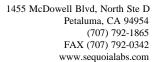




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FCS-SB01-2.5 (P307437-01) Soil	Sampled: 07/2	21/03 09:59	Received	d: 07/21/(3 16:41					
2,6-Dinitrotoluene	ND	13	330	ug/kg	1	3070610	07/29/03	08/01/03	EPA 8270C	_
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	**	"	
Fluorene	ND	7.9	330	"	"	"	"	**	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	**	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	**	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	**	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	**	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	**	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	**	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	**	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		68 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		79 %	16-13	80		"	"	"	"	
Surrogate: Nitrobenzene-d5		79 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		85 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		97 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		105 %	64-11			"	"	"	"	

Sequoia Analytical - Petaluma





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FCS-SB01-5 (P307437-02) Soil	Sampled: 07/21	/03 10:05	Received:	07/21/03	16:41					
Acenaphthene	ND	8.7	330	ug/kg	1	3070610	07/29/03	08/01/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	**	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

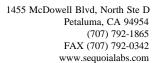




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FCS-SB01-5 (P307437-02) Soil	Sampled: 07/21	/03 10:05	Received:	07/21/03	16:41					
2,4-Dinitrotoluene	ND	20	330	ug/kg	1	3070610	07/29/03	08/01/03	EPA 8270C	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol	· · · · · · · · · · · · · · · · · · ·	74 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		83 %	16-13			"	"	"	"	
Surrogate: Nitrobenzene-d5		88 %	16-12			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		90 %	28-13			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		95 %	51-14			"	"	"	"	

Sequoia Analytical - Petaluma





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FCS-SB01-5 (P307437-02) Soil	Sampled: 07/21	1/03 10:05	Received:	07/21/03	16:41					
Surrogate: Terphenyl-d14		107 %	64-11	19		3070610	07/29/03	08/01/03	EPA 8270C	
FCS-SB01-10 (P307437-03) Soil	Sampled: 07/2	21/03 10:15	Received	l: 07/21/0	3 16:41					
Acenaphthene	ND	8.7	330	ug/kg	1	3070610	07/29/03	08/01/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	,,	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND ND	44	660	,,	"	"	"	"	"	
2,4-Dichlorophenol	ND ND	15	330	,,	,,	"	"	"	"	
Diethyl phthalate	ND ND	13	330	,,	"	"	"	"	"	
2,4-Dimethylphenol	ND ND	36	330	,,	"	"	"	"	"	
• •	ND ND	11	330	"	,,	,,	"	"	"	
Dimethyl phthalate	ND	11	330							

Sequoia Analytical - Petaluma





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FCS-SB01-10 (P307437-03) Soil	Sampled: 07/2	1/03 10:15	Received	: 07/21/0	3 16:41					
4,6-Dinitro-2-methylphenol	ND	17	1700	ug/kg	1	3070610	07/29/03	08/01/03	EPA 8270C	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	**	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	**	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	**	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		75 %	11-12	0		"	"	"	"	
Surrogate: Phenol-d6		84 %	16-13			"	"	"	"	
Surrogate: Nitrobenzene-d5		89 %	16-12			"	"	"	"	

Sequoia Analytical - Petaluma





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FCS-SB01-10 (P307437-03) Soil	Sampled: 07/2	21/03 10:15	Received	l: 07/21/0	3 16:41					
Surrogate: 2-Fluorobiphenyl		92 %	28-13	34		3070610	07/29/03	08/01/03	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol		98 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		110 %	64-11	19		"	"	"	"	
FCS-SB01-15 (P307437-04) Soil	Sampled: 07/2	21/03 10:20	Received	l: 07/21/0	3 16:41					
Acenaphthene	ND	8.7	330	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FCS-SB01-15 (P307437-04) Soil	Sampled: 07/2	1/03 10:20	Received	07/21/0	3 16:41					
2,4-Dimethylphenol	ND	36	330	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		71 %	11-12	0		"	"	"	"	

Sequoia Analytical - Petaluma

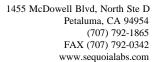




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FCS-SB01-15 (P307437-04) Soil	Sampled: 07/2	21/03 10:20	Received	l: 07/21/0	3 16:41					
Surrogate: Phenol-d6		81 %	16-13	80		3070610	07/29/03	08/02/03	EPA 8270C	
Surrogate: Nitrobenzene-d5		83 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		85 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		95 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		110 %	64-11	19		"	"	"	"	
FCS-SB01-20 (P307437-05) Soil	Sampled: 07/2	21/03 10:27	Received	1: 07/21/0	3 16:41					
Acenaphthene	ND	7.5	280	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
Acenaphthylene	ND	6.6	280	"	"	"	"	"	"	
Anthracene	ND	12	280	"	"	"	"	"	"	
Azobenzene	ND	17	280	"	"	"	"	"	"	
Benzidine	ND	1500	1500	"	"	"	"	"	"	
Benzoic acid	ND	2.3	1500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	6.5	280	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	12	280	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	7.6	280	"	"	"	"	"	"	
Benzo (a) pyrene	ND	8.6	280	"	"	"	"	"	"	
Benzyl alcohol	ND	9.6	570	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	7.8	280	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	13	280	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	13	280	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	31	8.0	280	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether	ND	11	280	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	9.7	280	"	"	"	"	"	"	
4-Chloroaniline	ND	50	570	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	9.3	570	"	"	"	"	"	"	
2-Chloronaphthalene	ND	8.5	280	"	"	"	"	"	"	
2-Chlorophenol	ND	14	280	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	11	280	"	"	"	"	"	"	
Chrysene	ND	9.3	280	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	16	280	"	"	"	"	"	"	
Dibenzofuran	ND	8.2	280	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	10	280	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	14	280	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	280	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	13	280	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	38	570	"	"	"	"	"	"	

Sequoia Analytical - Petaluma





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyta	Dagult	MDI	Reporting Limit	Unito	Dilution	Datah	Dranavad	Anglygad	Mathad	Nota-
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FCS-SB01-20 (P307437-05) Soil	Sampled: 07/2	1/03 10:27	Received	l: 07/21/0	3 16:41					
2,4-Dichlorophenol	ND	13	280	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
Diethyl phthalate	ND	12	280	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	31	280	"	"	"	"	"	"	
Dimethyl phthalate	ND	9.7	280	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	15	1500	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	8.8	1500	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	17	280	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	12	280	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	9.7	280	"	"	"	"	"	"	
Fluoranthene	ND	9.7	280	"	"	"	"	"	"	
Fluorene	ND	6.8	280	"	"	"	"	"	"	
Hexachlorobenzene	ND	13	280	"	"	"	"	"	"	
Hexachlorobutadiene	ND	15	280	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	8.6	280	"	"	"	"	"	"	
Hexachloroethane	ND	15	280	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	9.6	280	"	"	"	"	"	"	
Isophorone	ND	12	280	"	"	"	"	"	"	
2-Methylnaphthalene	ND	8.8	280	"	"	"	"	"	"	
2-Methylphenol	ND	14	280	"	"	"	"	"	"	
4-Methylphenol	ND	9.8	280	"	"	"	"	"	"	
Naphthalene	ND	12	280	"	"	"	"	"	"	
2-Nitroaniline	ND	15	1500	"	"	"	"	"	"	
3-Nitroaniline	ND	15	1500	"	"	"	"	"	"	
4-Nitroaniline	ND	19	1500	"	"	"	"	"	"	
Nitrobenzene	ND	14	280	"	"	"	"	"	"	
2-Nitrophenol	ND	12	280	"	"	"	"	"	"	
4-Nitrophenol	ND	20	1500	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	14	280	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	14	280	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	13	280	"	"	"	"	"	"	
Pentachlorophenol	ND	10	1500	"	"	"	"	"	"	
Phenanthrene	ND	12	280	"	"	"	"	"	"	
Phenol	ND	11	280	"	"	"	"	"	"	
Pyrene	ND	10	280	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	13	280	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	12	280	"	"	"	"	"	"	
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Sequoia Analytical - Petaluma

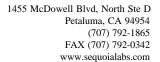




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FCS-SB01-20 (P307437-05) Soil	Sampled: 07/2	21/03 10:27	Received	l: 07/21/0	3 16:41					
2,4,6-Trichlorophenol	ND	8.1	280	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
Surrogate: 2-Fluorophenol		71 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		80 %	16-13	30		"	"	"	"	
Surrogate: Nitrobenzene-d5		86 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		87 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		93 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		107 %	64-11	19		"	"	"	"	
10D-SB03-1 (P307437-06) Soil	Sampled: 07/21	/03 12:52	Received:	07/21/03	16:41					
Acenaphthene	ND	8.7	330	ug/kg	1	3070610	07/29/03	08/01/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	

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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10D-SB03-1 (P307437-06) Soil	Sampled: 07/21/	03 12:52	Received:	07/21/03	16:41					
1,3-Dichlorobenzene	ND	14	330	ug/kg	1	3070610	07/29/03	08/01/03	EPA 8270C	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

				•						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10D-SB03-1 (P307437-06) Soil	Sampled: 07/21	1/03 12:52	Received:	07/21/03	16:41					
Pyrene	ND	12	330	ug/kg	1	3070610	07/29/03	08/01/03	EPA 8270C	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		58 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		70 %	16-13	30		"	"	"	"	
Surrogate: Nitrobenzene-d5		80 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		77 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		62 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		102 %	64-11	19		"	"	"	"	
10D-SB03D-1 (P307437-07) Soil	Sampled: 07/	21/03 12:52	Received	l: 07/21/0	3 16:41					
Acenaphthene	ND	8.7	330	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	**	"	"	"	"	"	

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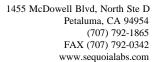




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Dib-SB03D-1 (P307437-07) Soil Samplet: 07/21/03 12:52 Received: 07/21/03 16:41 Samplet:	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Dibenzofuran ND 9.6 330 ug/kg 1 3070610 07/29/03 08/02/03 EPA 8270C		Sampled: 07/2	1/03 12:52	Received	l: 07/21/0	3 16:41					
Di-n-butyl phthalate	· · · · · · · · · · · · · · · · · · ·						3070610	07/29/03	08/02/03	EPA 8270C	
1,2-Dichlorobenzene ND											
1,3-Dichlorobenzene ND					"	"	"	"	"	"	
3,3'-Dichlorobenzidine ND 44 660 " </td <td></td> <td></td> <td>14</td> <td></td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>			14		"	"	"	"	"	"	
3,3'-Dichlorobenzidine ND 44 660 " </td <td>1,4-Dichlorobenzene</td> <td>ND</td> <td>15</td> <td>330</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
2.4-Dichlorophenol ND 15 330 "	3,3´-Dichlorobenzidine				"	"	"	"	"	"	
Diethyl phthalate					"	"	"	"	"	"	
2.4-Dimethylphenol ND 36 330 "	-	ND	14	330	"	"	"	"	"	"	
Dimethyl phthalate ND 11 330 "		ND	36	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol ND 17 1700 " <t< td=""><td></td><td>ND</td><td>11</td><td>330</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<>		ND	11	330	"	"	"	"	"	"	
2,4-Dinitrophenol ND 10 1700 "		ND	17	1700	"	"	"	"	"	"	
2,6-Dinitrotoluene ND 13 330 "		ND	10	1700	"	"	"	"	"	"	
Di-n-octyl phthalate	2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
Fluoranthene ND 11 330 " " " " " " " " "		ND		330	"	"	"	"	"	"	
Fluorene ND 7.9 330 " " " " " " " "	Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Hexachlorobenzene ND 15 330 " " " " " " " " " " " " " " Hexachlorobutadiene ND 17 330 " " " " " " " " " " " " " " " " " "	Fluoranthene	ND	11	330	"	"	"	"	"	"	
Hexachlorobutadiene ND 17 330 "	Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene ND 10 330 "	Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachloroethane	Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene ND 11 330 "	Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Isophorone	Hexachloroethane	ND	17	330	"	"	"	"	"	"	
2-Methylnaphthalene ND 10 330 " <td>Indeno (1,2,3-cd) pyrene</td> <td>ND</td> <td>11</td> <td>330</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
2-Methylphenol ND 16 330 "	Isophorone	ND	14	330	"	"	"	"	"	"	
4-Methylphenol ND 11 330 "	2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
Naphthalene ND 13 330 "	2-Methylphenol	ND	16	330	"	"	"	"	"	"	
2-Nitroaniline ND 17 1700 "	4-Methylphenol	ND	11	330	"	"	"	"	"	"	
3-Nitroaniline ND 18 1700 "	Naphthalene	ND	13	330	"	"	"	"	"	"	
4-Nitroaniline ND 22 1700 " " " " " " " " " " Nitrobenzene ND 16 330 " " " " " " " " " " "	2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
Nitrobenzene ND 16 330 " " " " " " " "	3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
	4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
	Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol ND 14 330 " " " " " " "	2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol ND 23 1700 " " " " " "	4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine ND 16 330 " " " " " " "	-	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine ND 17 330 " " " " " " "	N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine ND 15 330 " " " " " " "		ND	15	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10D-SB03D-1 (P307437-07) Soil	Sampled: 07/2	21/03 12:52	Received	1: 07/21/0	3 16:41					
Pentachlorophenol	ND	12	1700	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		59 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		71 %	16-13	30		"	"	"	"	
Surrogate: Nitrobenzene-d5		77 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		74 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		65 %	51-14	<i>14</i>		"	"	"	"	
Surrogate: Terphenyl-d14		98 %	64-11	19		"	"	"	"	
10D-SB03-2.5 (P307437-08) Soil	Sampled: 07/2	21/03 12:58	Received	1: 07/21/0	3 16:41					
Acenaphthene	ND	8.7	330	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	49	9.3	330	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	

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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
						Butch	Treputed	7 mary 2cu	Wichiod	110103
10D-SB03-2.5 (P307437-08) Soil	Sampled: 07/2	21/03 12:58			3 16:41					
Chrysene	ND	11	330	ug/kg	1	3070610		08/02/03	EPA 8270C	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	**	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
1. Thirosoumenrylamine	110	10	330							

Sequoia Analytical - Petaluma





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

			Reporting							
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10D-SB03-2.5 (P307437-08) Soil	Sampled: 07/2	21/03 12:58	Received	1: 07/21/0	3 16:41					
N-Nitrosodiphenylamine	ND	17	330	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		60 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		72 %	16-13			"	"	"	"	
Surrogate: Nitrobenzene-d5		73 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		83 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		91 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		97 %	64-11	19		"	"	"	"	
10D-SB03-5 (P307437-09) Soil	Sampled: 07/21	/03 13:06 1	Received:	07/21/03	16:41					
Acenaphthene	ND	8.7	330	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	

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Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10D-SB03-5 (P307437-09) Soil	Sampled: 07/21	03 13:06	Received:	07/21/03	16:41					
2-Chloronaphthalene	ND	9.9	330	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

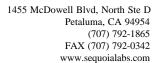




Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

			Reporting	**	D.1	D . 1				
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10D-SB03-5 (P307437-09) Soil	Sampled: 07/21	/03 13:06	Received:	07/21/03	16:41					
2-Nitrophenol	ND	14	330	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		66 %	11-12	0		"	"	"	"	
Surrogate: Phenol-d6		76 %	16-13	0		"	"	"	"	
Surrogate: Nitrobenzene-d5		78 %	16-12	6		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		80 %	28-13	4		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		87 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		104 %	64-11	9		"	"	"	"	
10D-SB03-10E (P307437-10) Wat	ter Sampled:	07/21/03 1	3:11 Receiv	ved: 07/2	1/03 16:41					
Acenaphthene	ND	1.2	10	ug/l	1	3070597	07/28/03	08/06/03	EPA 8270C	
Acenaphthylene	ND	1.4	10	"	"	"	"	"	"	
Anthracene	ND	0.61	10	"	"	"	"	"	"	
Azobenzene	ND	0.64	20	"	"	"	"	"	"	
Benzidine	ND	3.2	51	"	"	"	"	"	"	
Benzoic acid	ND	3.9	51	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.44	10	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	1.2	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.65	10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.88	10	"	"	"	"	"	"	
Benzyl alcohol	ND	3.9	20	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	1.1	10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	1.5	10	"	"	"	"	"	"	
•	ND	1.5	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	1,12									
Bis(2-chloroisopropyl)ether Bis(2-ethylhexyl)phthalate	ND	2.9	10	"	"	"	"	"	"	

Sequoia Analytical - Petaluma





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	Re MDL	porting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
							P.moa	, 200		- 10003
10D-SB03-10E (P307437-10) Water		07/21/03 13:11								
Butyl benzyl phthalate	ND	2.7	10	ug/l	1	3070597		08/06/03	EPA 8270C	
4-Chloroaniline	ND	0.56	20	"	"	"	"	"		
4-Chloro-3-methylphenol	ND	2.3	20	"	"	"	"	"	"	
2-Chloronaphthalene	ND	1.4	10	"	"	"	"	"	"	
2-Chlorophenol	ND	0.31	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.98	10	"	"	"	"	"	"	
Chrysene	ND	0.45	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.56	10	"	"	"	"	"	"	
Dibenzofuran	ND	1.1	10	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	1.1	10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	2.9	20	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.47	10	"	"	"	"	"	"	
Diethyl phthalate	ND	0.42	10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1.4	10	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.57	10	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	3.4	51	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	2.3	51	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.83	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.77	10	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.82	10	"	"	"	"	"	"	
Fluoranthene	ND	0.44	10	"	"	"	"	"	"	
Fluorene	ND	1.0	10	.,	"	"	"	"	"	
Hexachlorobenzene	ND	0.80	10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.5	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.31	10	,,	"	"	"	"	"	
Hexachloroethane	ND	1.7	10	,,	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.62	10	"	"	,,	"	"	"	
Isophorone	ND ND	0.02	10	"	"	,,	"	"	"	
2-Methylnaphthalene	ND ND	1.4	10	,,	"	"	"	"	"	
-				,,	"	,,	,,	"	,,	
2-Methylphenol	ND ND	3.4 3.0	10	,,	"	,,	"	"	"	
4-Methylphenol			10 10	,,	,,	,,	,,	"	"	
Naphthalene	ND	1.6		"	,,	,,	,,	"	"	
2-Nitroaniline	ND	0.70	51		**		· · ·			

Sequoia Analytical - Petaluma





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Nitrobenzene	Analyte	Result	Re MDL	porting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Nitroaniline ND 0.62 51 " " " " " " " " " " " " " " " " " "	10D-SB03-10E (P307437-10) Water	er Sampled:	07/21/03 13:11	Recei	ved: 07/2	1/03 16:41					
Nitrobenzene	3-Nitroaniline	ND	0.55	51	ug/l	1	3070597	07/28/03	08/06/03	EPA 8270C	
2-Nitrophenol	4-Nitroaniline	ND	0.62	51	"	"	"	"	"	"	
A-Nitrosodimethylamine	Nitrobenzene	ND	1.3	10	"	"	"	"	"	"	
N-Nitrosodimethylamine ND 1.5 20 " " " " " " " " " " " " " " N-Nitrosodiphenylamine ND 3.9 10 " " " " " " " " " " " " " " " " " "	2-Nitrophenol	ND	0.42	10	"	"	"	"	"	"	
N-Nitrosodiphenylamine ND N-Nitrosodin-propylamine ND 0.59 10 " " " " " " " " " " " " " " " " " "	4-Nitrophenol	ND	0.52	51	"	"	"	"	"	"	
No. No.	N-Nitrosodimethylamine	ND	1.5	20	"	"	"	"	"	"	
Pentachlorophenol ND 3.1 51 " " " " " " " " "	N-Nitrosodiphenylamine	ND	3.9	10	"	"	"	"	"	"	
Phenanthrene ND 0.57 10 "	N-Nitrosodi-n-propylamine	ND	0.59	10	"	"	"	"	"	"	
Pyrene ND 0.48 10	Pentachlorophenol	ND	3.1	51	"	"	"	"	"	"	
Pyrene ND 0.28 10 " " " " " " " " " " " " 1,2,4-Trichlorobenzene ND 1.7 10 " " " " " " " " " " " " " " 1,2,4-Trichlorobenzene ND 1.7 10 " " " " " " " " " " " " " " " " " 1,2,4-Trichlorophenol ND 0.62 10 " " " " " " " " " " " " " " " " " "	Phenanthrene	ND	0.57	10	"	"	"	"	"	"	
Pyridine	Phenol	ND	0.48	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	Pyrene	ND	0.28	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol ND 0.62 10 " </td <td>Pyridine</td> <td>ND</td> <td>3.8</td> <td>10</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	Pyridine	ND	3.8	10	"	"	"	"	"	"	
2,4,6-Trichlorophenol ND 0.31 10 " </td <td>1,2,4-Trichlorobenzene</td> <td>ND</td> <td>1.7</td> <td>10</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	1,2,4-Trichlorobenzene	ND	1.7	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol S8 % 15-103 " " " " " " Surrogate: Phenol-d6 77 % 18-115 " " " " " " " " Surrogate: Nitrobenzene-d5 91 % 39-103 " " " " " " " " " " Surrogate: 2-Fluorophenol 93 % 40-124 " " " " " " " " " " " "	2,4,5-Trichlorophenol	ND	0.62	10	"	"	"	"	"	"	
Surrogate: Phenol-d6 77 % 18-115 "	2,4,6-Trichlorophenol	ND	0.31	10	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5 91 % 39-103 " " " " " " " " Surrogate: 2-Fluorobiphenyl 93 % 40-124 " " " " " " " Surrogate: 2,4,6-Tribromophenol 104 % 11-142 " " " " " " Surrogate: Terphenyl-d14 120 % 56-139 " " " " " " " 10D-SB03-10 (P307437-11) Soil Sampled: 07/21/03 13:14 Received: 07/21/03 16:41 Acenaphthene ND 8.7 330 ug/kg 1 3070610 07/29/03 08/02/03 EPA 8270C Acenaphthylene ND 7.6 330 " " " " " " " " " " " " " " " " " "	Surrogate: 2-Fluorophenol		58 %	15-10	03		"	"	"	"	
Surrogate: 2-Fluorobiphenvl 93 % 40-124 " " " " Surrogate: 2,4,6-Tribromophenol 104 % 11-142 " " " " Surrogate: Terphenyl-d14 120 % 56-139 " " " " " 10D-SB03-10 (P307437-11) Soil Sampled: 07/21/03 13:14 Received: 07/21/03 16:41 Acenaphthene ND 8.7 330 ug/kg 1 3070610 07/29/03 08/02/03 EPA 8270C Acenaphthylene ND 7.6 330 " " " " " " Anthracene ND 14 330 " " " " " " Azobenzene ND 20 330 " " " " " " " Benzidine ND 1700 1700 " "	Surrogate: Phenol-d6		77 %	18-1	15		"	"	"	"	
Surrogate: 2-Fluorobiphenyl 93 % 40-124 " " " " Surrogate: 2,4,6-Tribromophenol 104 % 11-142 " " " " Surrogate: Terphenyl-d14 120 % 56-139 " " " " 10D-SB03-10 (P307437-11) Soil Sampled: 07/21/03 13:14 Received: 07/21/03 16:41 Acenaphthene ND 8.7 330 ug/kg 1 3070610 07/29/03 08/02/03 EPA 8270C Acenaphthylene ND 7.6 330 "	Surrogate: Nitrobenzene-d5		91 %	39-10	93		"	"	"	"	
Surrogate: Terphenyl-d14 120 % 56-139 " " " " " " " " " " " "	Surrogate: 2-Fluorobiphenyl		93 %	40-12	24		"	"	"	"	
Surrogate: Terphenyl-d14 120 % 56-139 " " " " " " " " " " " "	Surrogate: 2,4,6-Tribromophenol		104 %	11-14	<i>4</i> 2		"	"	"	"	
Acenaphthene ND 8.7 330 ug/kg 1 3070610 07/29/03 08/02/03 EPA 8270C Acenaphthylene ND 7.6 330 "	Surrogate: Terphenyl-d14		120 %	56-1.	39		"	"	"	"	
Acenaphthylene ND 7.6 330 "	10D-SB03-10 (P307437-11) Soil	Sampled: 07/2	21/03 13:14 R	eceived	: 07/21/03	3 16:41					
Anthracene ND 14 330 " " " " " " " " " " " " " " " " " "	Acenaphthene	ND	8.7	330		1	3070610	07/29/03	08/02/03	EPA 8270C	
Azobenzene ND 20 330 "	Acenaphthylene		7.6		"	"	"	"	"	"	
Benzidine ND 1700 1700 "	Anthracene	ND	14	330	"	"	"	"	"	"	
Benzoic acid ND 2.7 1700 "	Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzo (a) anthracene ND 7.6 330 " " " " " " " " " " Benzo (g,h,i) perylene ND 8.8 330 " " " " " " " " " " " Benzo (a) pyrene ND 10 330 " " " " " " " " " " " " " " " Benzo (a) pyrene ND 11 660 " " " " " " " " " " " " " " " " " "	Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total) ND 13 330 "	Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (g,h,i) perylene ND 8.8 330 " " " " " " " " Benzo (a) pyrene ND 10 330 " " " " " " " " " " Benzyl alcohol ND 11 660 " " " " " " " " "	Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (a) pyrene ND 10 330 "	Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzyl alcohol ND 11 660 " " " " " " "	Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
·	Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
·	Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
	Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma





Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

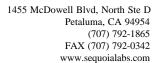
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
						Daten	Тераси	7 maryzed	Michied	110103
10D-SB03-10 (P307437-11) Soil	Sampled: 07/2	1/03 13:14	Received	: 07/21/03	3 16:41					
Bis(2-chloroethyl)ether	ND	15	330	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
7 F										

Sequoia Analytical - Petaluma



Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10D-SB03-10 (P307437-11) Soil	Sampled: 07/2	Received:	eceived: 07/21/03 16:41							
2-Methylphenol	ND	16	330	ug/kg	1	3070610	07/29/03	08/02/03	EPA 8270C	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		61 %	11-120)		"	"	"	"	
Surrogate: Phenol-d6		73 %	16-130)		"	"	"	"	
Surrogate: Nitrobenzene-d5		75 %	16-120	5		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		70 %	28-13	1		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		68 %	51-14	1		"	"	"	"	
Surrogate: Terphenyl-d14		107 %	64-11)		"	"	"	"	





Tentatively Identified Compounds by GC/MS - Quality Control Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3070597 - EPA 3520	OB LiqLiquid										
Blank (3070597-BLK1)					Prepared:	07/28/03	Analyzed	: 08/06/03			
No TICs found	ND		10	110/1							

Batch 3070610 - EPA 3550A Sonication

Blank (3070610-BLK1) Prepared: 07/29/03 Analyzed: 08/01/03

No TICs found ND 10 ug/kg



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		l
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	l

Batch 3070597 - EPA 3520B LiqLiquid

Blank (3070597-BLK1)					Prepared: 07/28/03 Analyzed: 08/06/03
Acenaphthene	ND	1.2	10	ug/l	
Acenaphthylene	ND	1.4	10	"	
Anthracene	ND	0.60	10	"	
Azobenzene	ND	0.63	20	"	
Benzidine	ND	3.2	50	"	
Benzoic acid	ND	3.9	50	"	
Benzo (a) anthracene	ND	0.44	10	"	
Benzo (b+k) fluoranthene (total)	ND	1.1	10	"	
Benzo (g,h,i) perylene	ND	0.64	10	"	
Benzo (a) pyrene	ND	0.87	10	"	
Benzyl alcohol	ND	3.9	20	"	
Bis(2-chloroethoxy)methane	ND	1.1	10	"	
Bis(2-chloroethyl)ether	ND	1.5	10	"	
Bis(2-chloroisopropyl)ether	ND	1.5	10	"	
Bis(2-ethylhexyl)phthalate	ND	2.8	10	"	
4-Bromophenyl phenyl ether	ND	0.70	10	"	
Butyl benzyl phthalate	ND	2.7	10	"	
4-Chloroaniline	ND	0.55	20	"	
4-Chloro-3-methylphenol	ND	2.3	20	"	
2-Chloronaphthalene	ND	1.4	10	"	
2-Chlorophenol	ND	0.31	10	"	
4-Chlorophenyl phenyl ether	ND	0.97	10	"	
Chrysene	ND	0.45	10	"	
Dibenz (a,h) anthracene	ND	0.55	10	"	
Dibenzofuran	ND	1.1	10	"	
Di-n-butyl phthalate	ND	1.1	10	"	
1,2-Dichlorobenzene	ND	1.8	10	"	
1,3-Dichlorobenzene	ND	1.8	10	"	
1,4-Dichlorobenzene	ND	1.8	10	"	
3,3'-Dichlorobenzidine	ND	2.9	20	"	
2,4-Dichlorophenol	ND	0.47	10	"	
Diethyl phthalate	ND	0.42	10	"	
2,4-Dimethylphenol	ND	1.4	10	"	
Dimethyl phthalate	ND	0.56	10	"	

Sequoia Analytical - Petaluma



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		l
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	l

Blank (3070597-BLK1)					Prepared: 07/28/03 Analyzed: 08/06/03
4,6-Dinitro-2-methylphenol	ND	3.4	50	ug/l	
2,4-Dinitrophenol	ND	2.3	50	"	
2,4-Dinitrotoluene	ND	0.82	10	"	
2,6-Dinitrotoluene	ND	0.76	10	"	
Di-n-octyl phthalate	ND	0.81	10	"	
Fluoranthene	ND	0.44	10	"	
Fluorene	ND	1.0	10	"	
Hexachlorobenzene	ND	0.79	10	"	
Hexachlorobutadiene	ND	1.5	10	"	
Hexachlorocyclopentadiene	ND	0.31	10	"	
Hexachloroethane	ND	1.7	10	"	
Indeno (1,2,3-cd) pyrene	ND	0.61	10	"	
Isophorone	ND	0.71	10	"	
2-Methylnaphthalene	ND	1.4	10	"	
2-Methylphenol	ND	3.4	10	"	
4-Methylphenol	ND	3.0	10	"	
Naphthalene	ND	1.6	10	"	
2-Nitroaniline	ND	0.69	50	"	
3-Nitroaniline	ND	0.54	50	"	
4-Nitroaniline	ND	0.61	50	"	
Nitrobenzene	ND	1.3	10	"	
2-Nitrophenol	ND	0.42	10	"	
4-Nitrophenol	ND	0.51	50	"	
N-Nitrosodimethylamine	ND	1.4	20	"	
N-Nitrosodiphenylamine	ND	3.9	10	"	
N-Nitrosodi-n-propylamine	ND	0.58	10	"	
Pentachlorophenol	ND	3.1	50	"	
Phenanthrene	ND	0.56	10	"	
Phenol	ND	0.48	10	"	
Pyrene	ND	0.28	10	"	
Pyridine	ND	3.8	10	"	
1,2,4-Trichlorobenzene	ND	1.7	10	"	
2,4,5-Trichlorophenol	ND	0.61	10	"	
2,4,6-Trichlorophenol	ND	0.31	10	"	

Sequoia Analytical - Petaluma



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		l
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	l

Blank (3070597-BLK1)					Prepared: 07	7/28/03 Analyzed	d: 08/06/03			
Surrogate: 2-Fluorophenol	96.4			ug/l	150	64	15-103			
Surrogate: Phenol-d6	117			"	150	78	18-115			
Surrogate: Nitrobenzene-d5	90.7			"	100	91	39-103			
Surrogate: 2-Fluorobiphenyl	90.2			"	100	90	40-124			
Surrogate: 2,4,6-Tribromophenol	144			"	150	96	11-142			
Surrogate: Terphenyl-d14	121			"	100	121	56-139			
Laboratory Control Sample (30705	597-BS1)				Prepared: 07	7/28/03 Analyzed	d: 08/06/03			
Acenaphthene	83.5	1.2	10	ug/l	100	84	58-120			
4-Chloro-3-methylphenol	77.5	2.3	20	"	100	78	51-116			
2-Chlorophenol	46.0	0.31	10	"	100	46	28-111			
1,4-Dichlorobenzene	63.1	1.8	10	"	100	63	29-108			
2,4-Dinitrotoluene	98.6	0.82	10	"	100	99	60-114			
4-Nitrophenol	96.3	0.51	50	"	100	96	25-148			
N-Nitrosodi-n-propylamine	73.3	0.58	10	"	100	73	29-119			
Pentachlorophenol	81.2	3.1	50	"	100	81	40-131			
Phenol	55.1	0.48	10	"	100	55	22-117			
Pyrene	96.9	0.28	10	"	100	97	52-127			
1,2,4-Trichlorobenzene	69.8	1.7	10	"	100	70	24-131			
Surrogate: 2-Fluorophenol	45.8			"	150	31	15-103			
Surrogate: Phenol-d6	76.8			"	150	51	18-115			
Surrogate: Nitrobenzene-d5	79.2			"	100	79	39-103			
Surrogate: 2-Fluorobiphenyl	82.6			"	100	83	40-124			
Surrogate: 2,4,6-Tribromophenol	123			"	150	82	11-142			
Surrogate: Terphenyl-d14	98.3			"	100	98	56-139			
Laboratory Control Sample Dup (3070597-BSD	01)			Prepared: 07	7/28/03 Analyzed	1: 08/06/03			
Acenaphthene	99.5	1.2	10	ug/l	100	100	58-120	17	27	
4-Chloro-3-methylphenol	104	2.3	20	"	100	104	51-116	29	30	
2-Chlorophenol	72.1	0.31	10	"	100	72	28-111	44	39	QR-02
1,4-Dichlorobenzene	72.7	1.8	10	"	100	73	29-108	14	41	
2,4-Dinitrotoluene	121	0.82	10	"	100	121	60-114	20	22	Q-LIM
4-Nitrophenol	118	0.51	50	"	100	118	25-148	20	44	
N-Nitrosodi-n-propylamine	85.1	0.58	10	"	100	85	29-119	15	44	
Pentachlorophenol	104	3.1	50	"	100	104	40-131	25	33	

Sequoia Analytical - Petaluma



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
-			Limit		20,01	100011	,,,,,,,,,	2	D	2	1.500	
Batch 3070597 - EPA 3520B Liq	Liquid											
Laboratory Control Sample Dup (3	3070597-BSD				Prepared:	07/28/03	Analyzed	: 08/06/03				
Phenol	77.2	0.48	10	ug/l	100		77	22-117	33	33		
Pyrene	117	0.28	10	"	100		117	52-127	19	25		
1,2,4-Trichlorobenzene	78.9	1.7	10	"	100		79	24-131	12	48		
Surrogate: 2-Fluorophenol	81.4			"	150		54	15-103				
Surrogate: Phenol-d6	112			"	150		75	18-115				
Surrogate: Nitrobenzene-d5	90.7			"	100		91	39-103				
Surrogate: 2-Fluorobiphenyl	97.2			"	100		97	40-124				
Surrogate: 2,4,6-Tribromophenol	172			"	150		115	11-142				
Surrogate: Terphenyl-d14	118			"	100		118	56-139				
Batch 3070610 - EPA 3550A Son	nication											
Blank (3070610-BLK1) Prepared: 07/29/03 Analyzed: 08/01/03												
Acenaphthene	ND	8.7	330	ug/kg								
Acenaphthylene	ND	7.6	330	"								
Anthracene	ND	14	330	"								
Azobenzene	ND	20	330	"								
Benzidine	ND	1700	1700	"								
Benzoic acid	ND	2.7	1700	"								
Benzo (a) anthracene	ND	7.6	330	"								
Benzo (b+k) fluoranthene (total)	ND	13	330	"								
Benzo (g,h,i) perylene	ND	8.8	330	"								
Benzo (a) pyrene	ND	10	330	"								
Benzyl alcohol	ND	11	660	"								
Bis(2-chloroethoxy)methane	ND	9.1	330	"								
Bis(2-chloroethyl)ether	ND	15	330	"								
Bis(2-chloroisopropyl)ether	ND	16	330	"								
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"								
4-Bromophenyl phenyl ether	ND	13	330	"								
Butyl benzyl phthalate	ND	11	330	"								
4-Chloroaniline	ND	58	660	"								
4-Chloro-3-methylphenol	ND	11	660	"								
2-Chloronaphthalene	ND	9.9	330	"								
2-Chlorophenol	ND	16	330	"								
4-Chlorophenyl phenyl ether	ND	13	330	"								

Sequoia Analytical - Petaluma



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		ĺ
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	ı

Batch 3070610 - EPA 3550A Sonication

Chrysene	Blank (3070610-BLK1)					Prepared: 07/29/03 Analyzed: 08/01/03
Dibenzofuran ND 9.6 330 " Di-n-butyl phthalate ND 12 330 " 1,2-Dichlorobenzene ND 16 330 " 1,4-Dichlorobenzene ND 14 330 " 1,4-Dichlorobenzene ND 15 330 " 1,4-Dichlorobenzene ND 15 330 " 1,4-Dichlorobenzene ND 15 330 " 1,4-Dichlorobenzidine ND 44 660 " 2,4-Dichlorophenol ND 15 330 " 1,4-Dichlorophenol ND 16 330 " 1,4-Dichlorophenol ND 11 330 " 1,4-Dichlorophenol ND 17 1700 " 1,4-Dinitro-tenethylphenol ND 17 1700 " 1,4-Dinitro-tenethylphenol ND 13 330 " 1,4-Dinitro-tenethylphenol ND 11 330 " 1,4-Dinitro-tenethylphenol ND 15 330 " 1,4-Dinitro-tenethylphenol ND 17 330 " 1,4-Dinitro-tenethylphenol ND 11 330 "		ND	11	330	ug/kg	•
Dica-buty phthalate ND 12 330 " 1,2-Dichlorobenzene ND 16 330 " 1,3-Dichlorobenzene ND 14 330 " 3,3'-Dichlorobenzene ND 14 330 " 3,3'-Dichlorobenzene ND 14 330 " 3,3'-Dichlorobenzene ND 15 330 " 3,3'-Dichlorobenzene ND 14 330 " 2,4-Dinchlorophenol ND 15 330 " Diethyl phthalate ND 14 330 " 2,4-Dimethylphenol ND 36 330 " Dimethyl phthalate ND 11 330 " 4,6-Dimitro-2-methylphenol ND 17 1700 " 2,4-Dimitrobluene ND 10 1700 " 2,4-Dimitrobluene ND 13 330 " 2,4-Dimitrobluene ND 13 330 " 2,4-Dimitrobluene ND 11 330 " Fluoranthene ND 11 330 " Fluoranthene ND 11 330 " Fluoranthene ND 17 330 " Hexachlorobenzene ND 17 330 " Hexachlorocyclopentadiene ND 17 330 " Hexachlorocyclopentadiene ND 17 330 " Hexachlorocyclopentadiene ND 11 330 " Hexachlorocyclopentadiene ND 13 330 " Hexachlorocyclopentadiene ND 11 330 " Hexachlorocyclopentadiene ND 13 330 " Hexachlorocyclopentadiene ND 14	Dibenz (a,h) anthracene	ND	18	330	"	
1,2-Dichlorobenzene ND	Dibenzofuran	ND	9.6	330	"	
1,3-Dichlorobenzene	Di-n-butyl phthalate	ND	12	330	"	
1,4-Dichlorobenzene ND 15 330 " 3,3*Dichlorobenzidine ND 44 660 " 2,4-Dichlorophenol ND 15 330 " Diethyl phthalate ND 14 330 " 2,4-Dimethylphenol ND 11 330 " 4,6-Dinitro-2-methylphenol ND 17 1700 " 2,4-Dinitrophenol ND 10 1700 " 2,4-Dinitrotoluene ND 20 330 " 2,4-Dinitrotoluene ND 13 330 " 2,6-Dinitrotoluene ND 11 330 " 1-nocryl phthalate ND 11 330 " Fluoranthene ND 13 330 " Hevachlorobutadiene ND 15 330 " Hexachlorobutadiene ND 17 330 " Hexachlorobutadiene ND 13 330 "	1,2-Dichlorobenzene	ND	16	330	"	
ND	1,3-Dichlorobenzene	ND	14	330	"	
ND	1,4-Dichlorobenzene	ND	15	330	"	
Diethyl phthalate ND 14 330 " 2.4-Dimethyl phenol ND 36 330 " Dimethyl phthalate ND 11 330 " 4,6-Dinitro-2-methyl phenol ND 17 1700 " 2,4-Dinitrophenol ND 10 1700 " 2,4-Dinitrotoluene ND 20 330 " 2,6-Dinitrotoluene ND 13 330 " 2,6-Dinitrotoluene ND 11 330 " Pluoranthene ND 11 330 " Fluorene ND 7.9 330 " Hexachlorobenzene ND 15 330 " Hexachlorocyclopentadiene ND 17 330 " Hexachlorochtane ND 11 330 " Indeno (1,2,3-cd) pyrene ND 11 330 " 2-Methylphenol ND 16 330 " <	3,3´-Dichlorobenzidine	ND	44	660	"	
2.4-Dimethylphenol ND 36 330 " Dimethyl phthalate ND 11 330 " 4.6-Dinitro-2-methylphenol ND 17 1700 " 2.4-Dinitroplenol ND 10 1700 " 2.4-Dinitrotoluene ND 20 330 " 2.6-Dinitrotoluene ND 13 330 " 2.6-Dinitrotoluene ND 11 330 " Pioranthene ND 11 330 " Fluorene ND 7.9 330 " Hexachlorobenzene ND 15 330 " Hexachlorobetzene ND 17 330 " Hexachlorocyclopentadiene ND 17 330 " Hexachlorochane ND 11 330 " Isophorone ND 13 330 " 2-Methylphenol ND 16 330 " 4-Methylphenol<	2,4-Dichlorophenol	ND	15	330	"	
Simethyl phthalate ND	Diethyl phthalate	ND	14	330	"	
4,6-Dinitro-2-methylphenol ND 17 1700 " 2,4-Dinitrophenol ND 10 1700 " 2,4-Dinitrotoluene ND 20 330 " 2,6-Dinitrotoluene ND 13 330 " Di-n-octyl phthalate ND 11 330 " Fluoranthene ND 11 330 " Hexachlorobenzene ND 19 330 " Hexachlorobenzene ND 17 330 " Hexachlorocyclopentadiene ND 17 330 " Hexachlorocyclopentadiene ND 17 330 " Hexachlorocyclopentadiene ND 11 330 " Indeno (1,2,3-cd) pyrene ND 11 330 " Isophorone ND 14 330 " 2-Methylphenol ND 16 330 " 4-Methylphenol ND 13 330 " <	2,4-Dimethylphenol	ND	36	330	"	
2,4-Dinitrophenol ND 10 1700 " 2,4-Dinitrotoluene ND 20 330 " 2,6-Dinitrotoluene ND 13 330 " Di-n-octyl phthalate ND 11 330 " Fluoranthene ND 11 330 " Fluoranthene ND 7.9 330 " Hexachlorobenzene ND 15 330 " Hexachlorobutadiene ND 17 330 " Hexachlorocyclopentadiene ND 10 330 " Hexachlorothane ND 17 330 " Indeno (1,2,3-cd) pyrene ND 11 330 " Isophorone ND 14 330 " 2-Methylnaphthalene ND 16 330 " 4-Methylphenol ND 13 330 " 3-Nitroaniline ND 17 1700 " 3-Nitroanil	Dimethyl phthalate	ND	11	330	"	
2,4-Dinitrotoluene	4,6-Dinitro-2-methylphenol	ND	17	1700	"	
2,6-Dinitrotoluene ND 13 330 " Di-n-octyl phthalate ND 11 330 " Fluoranthene ND 11 330 " Fluorene ND 7.9 330 " Hexachlorobenzene ND 15 330 " Hexachlorocyclopentadiene ND 17 330 " Hexachlorocyclopentadiene ND 17 330 " Indeno (1,2,3-cd) pyrene ND 11 330 " Isophorone ND 14 330 " 2-Methylnaphthalene ND 16 330 " 4-Methylphenol ND 11 330 " Naphthalene ND 13 330 " 2-Nitroaniline ND 18 1700 " 3-Nitroaniline ND 16 330 " 4-Nitroaniline ND 16 330 " 4-Nitroaniline	2,4-Dinitrophenol	ND	10	1700	"	
Di-n-octyl phthalate ND 11 330 " Fluoranthene ND 11 330 " Fluorene ND 7.9 330 " Hexachlorobenzene ND 15 330 " Hexachlorobutadiene ND 17 330 " Hexachlorocyclopentadiene ND 10 330 " Hexachlorochane ND 17 330 " Indeno (1,2,3-cd) pyrene ND 11 330 " Isophorone ND 14 330 " 2-Methylnaphthalene ND 10 330 " 4-Methylphenol ND 11 330 " A-Methylphenol ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 16 330 "	2,4-Dinitrotoluene	ND	20	330	"	
Fluoranthene ND 11 330 " Fluorene ND 7.9 330 " Hexachlorobenzene ND 15 330 " Hexachlorobutadiene ND 17 330 " Hexachlorocyclopentadiene ND 10 330 " Hexachlorochane ND 17 330 " Indeno (1,2,3-cd) pyrene ND 11 330 " Isophorone ND 14 330 " 2-Methylnaphthalene ND 10 330 " 4-Methylphenol ND 16 330 " Aphthalene ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitrobenzene ND 16 330 "	2,6-Dinitrotoluene	ND	13	330	"	
Fluorene ND 7.9 330 " Hexachlorobenzene ND 15 330 " Hexachlorobutadiene ND 17 330 " Hexachlorocyclopentadiene ND 10 330 " Hexachlorocyclopentadiene ND 17 330 " Hexachlorocyclopentadiene ND 11 330 " Indeno (1,2,3-cd) pyrene ND 11 330 " Isophorone ND 14 330 " 2-Methylnaphthalene ND 10 330 " 2-Methylphenol ND 16 330 " 4-Methylphenol ND 11 330 " Naphthalene ND 13 330 " 2-Nitroaniline ND 13 330 " 3-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitrobenzene ND 16 330 "	Di-n-octyl phthalate	ND	11	330	"	
Hexachlorobenzene ND 15 330 " Hexachlorobutadiene ND 17 330 " Hexachlorocyclopentadiene ND 10 330 " Hexachlorocthane ND 17 330 " Indeno (1,2,3-cd) pyrene ND 11 330 " Isophorone ND 14 330 " 2-Methylnaphthalene ND 10 330 " 2-Methylphenol ND 16 330 " 4-Methylphenol ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 16 330 " Nitrobenzene ND 16 330 "	Fluoranthene	ND	11	330	"	
Hexachlorobutadiene ND 17 330 " Hexachlorocyclopentadiene ND 10 330 " Hexachlorocthane ND 17 330 " Indeno (1,2,3-cd) pyrene ND 11 330 " Isophorone ND 14 330 " 2-Methylnaphthalene ND 10 330 " 2-Methylphenol ND 16 330 " 4-Methylphenol ND 11 330 " Naphthalene ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	Fluorene	ND	7.9	330	"	
Hexachlorocyclopentadiene ND 10 330 " Hexachlorocyclopentadiene ND 17 330 " Indeno (1,2,3-cd) pyrene ND 11 330 " Isophorone ND 14 330 " 2-Methylnaphthalene ND 10 330 " 2-Methylphenol ND 16 330 " 4-Methylphenol ND 11 330 " Naphthalene ND 13 330 " 2-Nitroaniline ND 17 1700 " 4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	Hexachlorobenzene	ND	15	330	"	
Hexachloroethane ND 17 330 " Indeno (1,2,3-cd) pyrene ND 11 330 " Isophorone ND 14 330 " 2-Methylnaphthalene ND 10 330 " 2-Methylphenol ND 16 330 " 4-Methylphenol ND 11 330 " Naphthalene ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	Hexachlorobutadiene	ND	17	330	"	
Indeno (1,2,3-cd) pyrene ND 11 330 " Isophorone ND 14 330 " 2-Methylnaphthalene ND 10 330 " 2-Methylphenol ND 16 330 " 4-Methylphenol ND 11 330 " Naphthalene ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	Hexachlorocyclopentadiene	ND	10	330	"	
Isophorone ND 14 330 " 2-Methylnaphthalene ND 10 330 " 2-Methylphenol ND 16 330 " 4-Methylphenol ND 11 330 " Naphthalene ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	Hexachloroethane	ND	17	330	"	
2-Methylnaphthalene ND 10 330 " 2-Methylphenol ND 16 330 " 4-Methylphenol ND 11 330 " Naphthalene ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	Indeno (1,2,3-cd) pyrene	ND	11	330	"	
2-Methylphenol ND 16 330 " 4-Methylphenol ND 11 330 " Naphthalene ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	Isophorone	ND	14	330	"	
4-Methylphenol ND 11 330 " Naphthalene ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	2-Methylnaphthalene	ND	10	330	"	
Naphthalene ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	2-Methylphenol	ND	16	330	"	
2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	4-Methylphenol	ND	11	330	"	
3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	Naphthalene	ND	13	330	"	
4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	2-Nitroaniline	ND	17	1700	"	
Nitrobenzene ND 16 330 "	3-Nitroaniline	ND	18	1700	"	
Nutrockeene ND 10 350	4-Nitroaniline	ND	22	1700	"	
2-Nitrophenol ND 14 330 "	Nitrobenzene	ND	16	330	"	
	2-Nitrophenol	ND	14	330	"	

Sequoia Analytical - Petaluma

RPD

%REC



P307437 **Environmental Resources Management** Project: Aerojet RI/FS Reported: 2525 Natomas Park Drive, Suite 350 Project Number: N/A Sacramento CA, 95833 08/13/03 16:24 Project Manager: Bruce Lewis

Reporting

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

Spike

Source

			Keporting		Spike	Source		%KEC		KrD	
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3070610 - EPA 3550A Sor	ication										
Blank (3070610-BLK1)					Prepared:	07/29/03	Analyzed	: 08/01/03			
4-Nitrophenol	ND	23	1700	ug/kg	•						
N-Nitrosodimethylamine	ND	16	330	"							
N-Nitrosodiphenylamine	ND	17	330	"							
N-Nitrosodi-n-propylamine	ND	15	330	"							
Pentachlorophenol	ND	12	1700	"							
Phenanthrene	ND	14	330	"							
Phenol	ND	12	330	"							
Pyrene	ND	12	330	"							
1,2,4-Trichlorobenzene	ND	15	330	"							
2,4,5-Trichlorophenol	ND	14	330	"							
2,4,6-Trichlorophenol	ND	9.4	330	"							
Surrogate: 2-Fluorophenol	3300			"	5000		66	11-120			
Surrogate: Phenol-d6	3680			"	5000		74	16-130			
Surrogate: Nitrobenzene-d5	2610			"	3330		78	16-126			
Surrogate: 2-Fluorobiphenyl	2760			"	3330		83	28-134			
Surrogate: 2,4,6-Tribromophenol	4340			"	5000		87	51-144			
Surrogate: Terphenyl-d14	3510			"	3330		105	64-119			
Laboratory Control Sample (3070)	610-BS1)				Prepared:	07/29/03	Analyzed	: 08/01/03			
Acenaphthene	3080	8.7	330	ug/kg	3330		92	34-114			
4-Chloro-3-methylphenol	3240	11	660	"	3330		97	24-118			
2-Chlorophenol	2690	16	330	"	3330		81	29-101			
1,4-Dichlorobenzene	2660	15	330	"	3330		80	25-104			
2,4-Dinitrotoluene	3690	20	330	"	3330		111	42-116			
4-Nitrophenol	3600	23	1700	"	3330		108	31-109			
N-Nitrosodi-n-propylamine	2860	15	330	"	3330		86	23-117			
Pentachlorophenol	3390	12	1700	"	3330		102	34-114			
Phenol	2810	12	330	"	3330		84	20-105			
Pyrene	3740	12	330	"	3330		112	30-124			
1,2,4-Trichlorobenzene	2960	15	330	"	3330		89	28-112			
Surrogate: 2-Fluorophenol	3670			"	5000		73	11-120			
Surrogate: Phenol-d6	4060			"	5000		81	16-130			
Surrogate: Nitrobenzene-d5	2910			"	3330		87	16-126			
Surrogate: 2-Fluorobiphenyl	3050			"	3330		92	28-134			
Surrogate: 2,4,6-Tribromophenol	5300			"	5000		106	51-144			

 $Surrogate {:}\ 2,4,6 {-} Tribromophenol$ Sequoia Analytical - Petaluma

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	i

Batch 3070610 - EPA 3550A Sonicati	ior	ì
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Laboratory Control Sample (3070610	-BS1)				Prepared:	07/29/03	Analyze	d: 08/01/03			
Surrogate: Terphenyl-d14	3750			ug/kg	3330		113	64-119			
Matrix Spike (3070610-MS1)	Sou	rce: P30743	37-06		Prepared:	07/29/03	Analyzed	1: 08/01/03			
Acenaphthene	3240	8.7	330	ug/kg	3330	ND	97	30-110			
4-Chloro-3-methylphenol	3290	11	660	"	3330	ND	99	27-109			
2-Chlorophenol	2710	16	330	"	3330	ND	81	24-98			
1,4-Dichlorobenzene	2710	15	330	"	3330	ND	81	24-89			
2,4-Dinitrotoluene	3700	20	330	"	3330	ND	111	35-110			QM-07
4-Nitrophenol	3630	23	1700	"	3330	ND	109	20-110			
N-Nitrosodi-n-propylamine	2930	15	330	"	3330	ND	88	23-109			
Pentachlorophenol	3290	12	1700	"	3330	ND	99	25-123			
Phenol	2850	12	330	"	3330	ND	86	19-100			
Pyrene	3630	12	330	"	3330	ND	109	12-131			
1,2,4-Trichlorobenzene	2970	15	330	"	3330	ND	89	17-110			
Surrogate: 2-Fluorophenol	3310			"	5000		66	11-120			
Surrogate: Phenol-d6	3890			"	5000		78	16-130			
Surrogate: Nitrobenzene-d5	2790			"	3330		84	16-126			
Surrogate: 2-Fluorobiphenyl	2840			"	3330		85	28-134			
Surrogate: 2,4,6-Tribromophenol	4210			"	5000		84	51-144			
Surrogate: Terphenyl-d14	3540			"	3330		106	64-119			
Matrix Spike Dup (3070610-MSD1)	Sou	rce: P30743	37-06		Prepared:	07/29/03	Analyzed	1: 08/01/03			
Acenaphthene	3320	8.7	330	ug/kg	3330	ND	100	30-110	2	26	
4-Chloro-3-methylphenol	3440	11	660	"	3330	ND	103	27-109	4	21	
2-Chlorophenol	2850	16	330	"	3330	ND	86	24-98	5	27	
1,4-Dichlorobenzene	2800	15	330	"	3330	ND	84	24-89	3	25	
2,4-Dinitrotoluene	3810	20	330	"	3330	ND	114	35-110	3	15	QM-07
4-Nitrophenol	3740	23	1700	"	3330	ND	112	20-110	3	23	QM-07
N-Nitrosodi-n-propylamine	3060	15	330	"	3330	ND	92	23-109	4	31	
Pentachlorophenol	3440	12	1700	"	3330	ND	103	25-123	4	43	
Phenol	2960	12	330	"	3330	ND	89	19-100	4	21	
Pyrene	3750	12	330	"	3330	ND	113	12-131	3	26	
1,2,4-Trichlorobenzene	3110	15	330	"	3330	ND	93	17-110	5	30	
Surrogate: 2-Fluorophenol	3450			"	5000		69	11-120			_
Surrogate: Phenol-d6	4030			"	5000		81	16-130			

Sequoia Analytical - Petaluma



Environmental Resources Management 2525 Natomas Park Drive, Suite 350 Sacramento CA, 95833 Project Number: N/A
Project Manager: Bruce Lewis

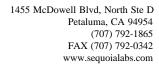
P307437 **Reported:** 08/13/03 16:24

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD	
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 3070610 - EPA 3550A Sonication

Matrix Spike Dup (3070610-MSD1)	Source: P307437-06		Prepared: 07/	29/03 Analyzed	: 08/01/03
Surrogate: Nitrobenzene-d5	2980	ug/kg	3330	89	16-126
Surrogate: 2-Fluorobiphenyl	3050	"	3330	92	28-134
Surrogate: 2,4,6-Tribromophenol	4310	"	5000	86	51-144
Surrogate: Terphenyl-d14	3630	"	3330	109	64-119





Notes and Definitions

J Estimated value.

Q-LIM The percent recovery was outside of the control limits. The samples results may still be useful for their intended purpose.

QM-07 The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

QR-02 The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch

were accepted based on percent recoveries and completeness of QC data.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Chain of Custody Record Work order hole Work order Work order hole Work order hole Work order	No 1102			30/00	J AL	P307437	energia de la composita de la	REPORT TICS -1	2	8	5-	5-	9-		Ŷ	51	9/-/	7 - >	USTODY SEALS INTACT	NOTINTACT	o CS agree and a		TOTAL NO. OF SAMPLE CONTAINERS:	METHOD OF SHIPMENT:	LABORATORY DELIVERED TO:	7.87.35 v. 4
WORK ORDER NO: 4421.03 AUGER HOLE NO: CEM. (AM.) (W.) (N.) 201-25 225 6: 201-25 225 7: 201-25 225 7	y Record	SAMPLE		EDF-2M- 010	58 A9: 50 A9: 51 A	OHFOB'	ANB ATEM DEPG	X	Х	X	X	X	X	X	X	X	Х	X	ER C				JASK 1/2/1	rune)	SIGNATURE	ER: PINK
WORK ORDER NO: 4921.03 AUGER HOLE NO: CEN (AN) (N) (FT.) 201-25 2.5 CEN - 16 10 CEN - 15 15 CEN - 16 10 CEN - 16	ain of Custod		en menten de sale		***************************************	dMAS =	TIME CONTAINER #	BSB	\subseteq	S	VI.	7		1.92	8521								1/03 1691		20	2ND COPY – LABORATORY: YELLOW 3RD COPY – SAMPLER: PINK
AEROJET E.T.R. NO: SOURCE SITE NO: SAMPLERS (SIGNATURE) SAMPLERS (SIGNATURE) SAMPLERS (SIGNATURE) SAMPLERS (SIGNATURE) 1102 A FS-3 1102 B FC-3 1102 C FC-3 1102 C FC-3 1102 D FS-3 1103 D FS		<u> </u>			SAMPLERS (SIGNATURE)	L'I DEMISE	FIELD DEPTH SAMPLE NO. (FT.)	A FCS-501-25 25	B FC1-801-5	C FS-801-10/	D F15-5801	E F15-9201-70	10p.	G 10D-5803D-1	H 100-5803-7	1 10D	100-805-10E	K 100-5653-10 10	-				benifu Wincer	CASA BASAC		ORIGINAL – ENVIRONMENTAL OPERATIONS: WHITE 2ND COPY – LAB

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

	DATE Received at Lab: 7/2363 (Drinking water) for	TIME Received at Lab:	LOG IN DATE: 7230	regulatory purposes: YES/NO	SAMPLE DATE	# CLIENT ID DESCRIPTION MATRIX SAMPLED CONDITION (ETC.)	FCS-SB1-25 M. (S 7/21/63	20	2		20	3-		25	W 71X 20															
200200					LAB	SAMPLE #																								
	Acionet	4	P307437)	CIRCLE THE APPROPRIATE RESPONSE		Present (Absent)	Intact / Broken*	Present Absent*)—inada	Present (Absent)	Airbill / Sticker	Present / Absent	Aggreentenance (1955)	Present / Absent	(Listed) Not Listed	on Chain-of-Custody	(Intact) Broken*/	Leaking*		l		(ATES) No*	ü	(Yes) No*	((Yes) No*	3.6	uples \	7 17 27 200
	CLIENT NAME:	REC. BY (PRINT)	WORKORDER:		CIRCLE THE APPR		1. Custody Seal(s)		2. Chain-of-Custody	3. Traffic Reports or	Packing List:	4. Airbill:		5. Airbill #:	6. Sample Labels:	7. Sample IDs:		8. Sample Condition:		9. Does information on	custody reports, traffic	reports and sample	labels agree?	10. Sample received within	hold time:	11. Proper Preservatives	used:	12. Temp Rec. at Lab:	(Acceptance range for samples	(00)

*If Circled, contact Project Manager and attach record of resolution.

Sample Receipt Log Revision 2.1 (11/10/00) Replaces Revision 2 (11/06/00) Effective 11/12/00

Page ____ of _